Faculty Profile

Dr. Aswini. J, M.E., Ph.D
Professor – Department of Artificial Intelligence and Machine Learning

HIGHLIGHTS:

- Number of Journal Publications:43
- H-Index:8
- Project Funding Received:1,10,000
- Patents Published: 8
- Patents Granted: 1

PROFESSIONAL LINKS:

- Scopus ID: 57188629594
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=57188629594
- Google Scholar ID:
  https://scholar.google.com/citations?user=AV8t5xwAAAAJ&hl=en
- Anna University Faculty ID: 2122668
- AICTE Faculty ID: 1-7512673859
- Anna University Supervisor ID: NA
- LinkedIn: https://www.linkedin.com/in/aswini-jayaraman-3bb21977/

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 15 Years
- Industrial Experience: 2 Years

INTERNATIONAL EXPOSURE: NA

AREA OF SPECIALIZATION:

- Cloud Computing

- Machine Learning

- Deep Learning

- Parallel Computing

Ph.Ds AWARDED WITH DETAILS:

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time
-	-	-	-	-

Ph.Ds GUIDING:

- **Full Time Scholars: NA**
- **Part Time Scholars : NA**

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- The ATAL FDP "Unleashing the Magic of AR and VR"

PATENTS PUBLISHED/GRANTED:

- Haptic smart stick for visually challenged

- The Implementation of Artificial Intelligence on the Internet of Things for the Purpose of Improving the Efficiency of the Medical Service Consultation System

- IOT based smart water bottle for visually impaired people

- Automatic pet emotion prediction device using Artificial Intelligence

- An IOT based voice assistant device with Artificial Intelligence to assist Visually Impaired persons.

- A novel cross-building energy prediction using a combination of deep transfer learning approaches.

- A compatible platform for healthcare applications based on the internet of medical things.

COURSES CERTIFIED:

COURSERA:

- CUDA Advanced Libraries

- Public Speaking with Canva

- Introduction to Augmented Reality and ARCore

- Introduction to Concurrent Programming with GPUs

- CUDA at Scale for the Enterprise

- AI and Public Health

- How to Use Lookup Reference Math and Text Functions in Excel

- C++ Data Structures in the STL

NPTEL:

- Foundation of Cloud IoT Edge ML, Silver Certificate (5% Topper)
- Introduction to Machine Learning (Tamil)
- Learning Analytics, Elite Certificate
- NBA Accreditation and Teaching and Learning in Engineering
- Introduction to Machine Learning Certificate
- Machine Learning Certificate
- Data Science with Elite Silver Certificate
- IoT with Elite Gold Certificate
- Cloud Computing with Elite Silver Certificate
- Joy of Computing with Python, Elite Silver Certificate
- IIoT, Elite Certificate

UDEMY:

- CUDA Basics
- Person-Centered Counselling

ACHIEVEMENTS AND AWARDS:

- ☆ Naan Mudhalvan Niral Thiru Vizha Project Winner (50th position)
- ☆ NPTEL Discipline Star
- ☆ State Eligibility Test for Lectureship (SET) - 2016 Passed
- ☆ Participated as an Evaluator of Toycathon
- ☆ Produced 100% result in the following subjects
  - User Interface Design
  - Software Testing
- ☆ Awarded for proficiency in computer science in UG
- ☆ One Funded Project Applied with SERB, TIDE and ATAL FDP

SPECIAL SESSIONS DELIVERED:

- IEEE Co-sponsored 2024 International Conference on Smart Technologies for Sustainable Development Goals held from November 6 – 8 at S.A Engineering College 600077 – Session Chaired.

- Given talk on workshop – Beyond the Classroom: Mock Interviews for student Excellence, held at SIMATS, Chennai held at 12-03-2024.

- Resource person for workshop on Cybersecurity with AI & ML held on 22-02-2024 organized by Department of CSE in association with Computer Society of India at SRM Institute of Science and Technology, Vadapalani, Chennai.

- Resource person for AR VR using Unity Software workshop conducted on March 2nd ,2024 at AR VR lab at Saveetha Engineering College

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Successfully attended 5 Day Faculty Development Program on "Computational Tools on Engineering And Research: Issues and Challenges" organized by TECHNO ENGINEERING COLLEGE BANIPUR In Association With COMPUTER SOCIETY OF INDIA, (Kolkata Chapter)18th November to 22nd November 2024.

- Attended two days boot camp on Tamil Nadu Skill Development Corporation's Naan Mudhalvan Niral Thiruvizha Grand Innovation & Skilling Challenge at Stella Mary's College Of Engineering, Nagercoil - 25th and 26th October, 2024.

- Participated phase 2 FDP on Creators of Metaverse by AICTE on Metspark during the month October 2024.

- Successfully completed 5 days FDP on ""Modern & Innovative Tools in Engineering Education", Techno College of Engineering, Agartala in association with CSI (Kolkata Chapter) on 4th – 8th March, 2024.

- Participated in a workshop on "Full stack Development" at IIT Madras as part of Shaastra on 07th January 2024.

- Successfully completed FDP on "The Art of Research and Development" 26th to 30th December 2023.

- Successfully completed FDP on "The Art of Research and Development" 26th to 30th December 2023.

- Successfully completed two weeks virtual FDP on "Innovative Research Opportunities and Applications of Data Science in the industry 5.0 paradigm" 18-08-2023 to 31-08-2023.

- Successfully completed the 1-day Seminar held on 25th August 2023 on "Data Science on the Graph: from signal processing to Machine Learning".

- Successfully completed one week FDP on "Cloud Infrastructure and AWS technologies" 21/08/2023 – 25/08/2023.

- Participated 23rd June 2023 , "Chat GPT for Innovation" – Webinar

- Completed workshop on "Magento 2 Block Vs View & Model Magento Cloud (Cloud Deployment Process" by NPTEL E-Learn on 11th Feb, 2023.

- Completed One-week online International Faculty Development Program on "Exploring The Future Endeavors In The Biomedical Technology" organized by the Department of Biomedical Engineering, Easwari Engineering College from 18 to 24 January 2023.

- Completed NPTEL Workshop certificate on "Metaverse" on November 19th, 2022.

- Attended webinar on " Oracle Integration Cloud" Oct 19, 2022.

- Successfully completed FDP on "Success strategy to publish in Journal with High Impact Factor" 26th to 30th September 2022.

- Completed NPTEL course on "Introduction to Machine Learning" September 2022.

- Earned NPTEL Workshop certificate on "Interactive Tools and Techniques for Energized and engaged classes", Aug 6th 2022.

- Successfully presented a conference paper "Mesh messaging service using Bluetooth" in the 10th International Conference on Contemporary Engineering and Technology 2022 (ICCET) organized by Prince Shri Venkateshwara Padmavathy Engineering College, Chennai, Tamil Nadu, India. on May 23rd 2022.

- Attended National Institute of Technical Teachers Training and Research's online webinar on "Accreditation Automation platform for NBA/NAAC/ABET" on March 25th 2022.

- Successfully presented a conference paper titled "A Deep Learning based spices reciprocal system partridge" in the International conference on Deep Sciences for computing and communications – 2022, SRMIST, 17th to 18th March.

- Successfully Completed ATAL FDP "Machine Learning Applications on Image Processing", 17-21 January 2022.

- Successfully completed two day workshop on "Data Analytics Tools for Analyze and Visualize Datasets workshop", 14-15 December 2021.

- Successfully completed FDP held on "Machine Learning" 11th & 12th October 2021.

- Successfully completed the ATAL FDP on "Advanced Cloud Technology" from 13st September to 17th September 2021.

- Successfully completed the ATAL FDP on "Designing Thinking" from 1st June to 5th June 2021.

- Successfully completed the ATAL FDP on "GIS and Remote Sensing" from May 18th to 22nd May 2021.

- Attended Workshop on "Design Thinking" conducted by TOOPLE held on 27th January 2021.

- Successfully completed webinar on "*Software Quality Assurance*", Sri Eshwar College of Engineering - June 2, 2020.

- Successfully attended online lecture on "*21st Century Teacher Skills*", SRM Ramapuram, Faculty of Engineering and Technology- April 26, 2020.

- Successfully completed FDP on "*R Programming*", Loyola ICAM College of Engineering - April 22, 2020.

- Successfully attended the workshop, "*IoT using Arduino*", IITBombayX - FDP - Feb 8, 2020.

- Successfully Completed the FDP, "*Data science with Python*", ICT Academy - Feb 5 - 7, 2020.

- Successfully Completed the FDP, "*R Programming*", IITBombayX - Workshop - Feb 8, 2020.

- Successfully Completed the workshop, "*Airborne Internet* ", Saveetha School of Engineering, Dec 20, 2020

- Successfully Completed the FDP, *" Pedagogy for Online and Blended Teaching-Learning Process*", IITBombayX , FDP201x - Jan 7, 2019.

- Successfully Completed the FDP, "*Foundation Program in ICT for Education*", IITBombayX - FDP101x - Oct 27, 2018.

- Obtained hands-on training on "*Microsoft Azure*" organized by Easwari Engineering College, Ramapuram, Chennai on 13th July 2018.

- Attended Workshop on "Succeeding in Research" conducted by Veltech Dr.RR & Dr.SR University held on 9th and 10th November 2017.

- Actively participated a two days workshop on *"Hands on Training for Building a Hadoop Cluster using Amazon Public Cloud*" conducted by Veltech Dr.RR and Dr.SR University held on 5th and 6th October 2017.

- Attended Two days workshop on *"Virtualization: Models, Services, Standards and Applications"* conducted by Anna University during 10-11 March 2017.

- Attended FTP on "*CS6712 – Grid and Cloud Computing Lab"* conducted by Jeppiaar SRR Engineering College on 5th,6th and 7th May 2016.

- Attended Three days workshop on *"Application Development, Deployment and Testing on the Cloud"* conducted by Anna University held from 21st to 23rd March 2016.

- Attended Two days workshop on "*Big Data and Cloud Tools"* held at MIT Campus, Anna University, Chennai during July 31st and August 1st 2015.

- Attended and presented a paper on "*International conference on Innovative Science and Technology*" at Jawahar Engineering College, May 2015.

- Attended Two weeks ISTE STTP on "*Introduction to Design of Algorithms*" conducted by IIT Kharagpur from 27th April to 30th May 2015.

- Presented paper in 5th International conference on Science and Innovative Engineering on 5th April 2015.

- Attended one day national seminar on "*How to write Research Paper and get it published into Journals*" at VIT University Chennai Campus on 21st November 2014.

- Attended FDTP conducted by Center for faculty development, Anna University on IF7202-"*Cloud Computing*" at R.M.K engineering College from 4th to 11th December 2013.

- Attended one day Anna University sponsored national seminar on "*Cloud Computing & Mining* " at Sai Ram Engineering College from 26th to 27th September 2013.

- Attended two days workshop on "*Hands on experience on Cloud Computing*" at B.S.Abdur Rehman University, 18 and 19th September 2013.

- Attended one day seminar on "*Theoretical Computer Science and its applications, Turing machines"* at Anna University, 16 to 18 November 2012.

- Attended two weeks IIT Bombay sponsored ISTE workshop on "*Research Methodology*" at Saveetha Engineering College under the Mission on Education through ICT(MHRD, Govt. of India) 25th June to 4th July 2012.

PROFESSIONAL MEMBERSHIPS:

1. The Institution of Engineers (India) membership

2. Computer Science Teachers Association (CSTA) membership

3. International Association of Engineers (IAENG) membership

4. International Computer Society and Engineering Society (ICSES) membership

5. Institute For Engineering Research and Publication (IFERP) membership

OTHER DETAILS (If any): Reviewer of the following journals

S.NO	NAME OF THE JOURNALS
1.	Springer Journals Editorial Office, Personal and Ubiquitous / Computing / Computing / Cluster Computing / The Journal of Supercomputing / Asian Journal of Advances in Research
2.	International Journal of Systems Assurance Engineering and Management (Springer)
3.	Int. J. of Engineering Systems Modelling and Simulation (IJESMS)(Springer)
4.	ICDIC-2021 Conference (Springer)
5.	International Conference on Intelligent Healthcare and Computational Neural Modelling (ICIHCNN - 2022)(Springer)
6.	Computational Intelligence And Machine Learning. Technoarete Publisher.
7.	IGI Global